GATEWAY
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Delhi-NCR, Sonipat

NATA
MOCK TEST-3

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OUR VENTURES

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Nata Mock Test 3

By

Gateway Education

Disclaimer

This mock test is prepared just to give idea of questions which may be asked for assessing aptitude of the individuals while appearing into Nata or similar entrance exam for B.Architecture.

Questions & Marks of Examination

Part A – Drawing and Composition Test – Offline mode – test duration 90 Minutes, 80 marks, (108 Seconds per question)

A1 – 1 Question – Composition and Color – 25 Marks
A2 – 1 Question– Sketching & Composition (Black and White)– 25 Marks
A3 – 1 Question – 3D Composition – 30 Marks
Total 3 Questions – 80 Marks

Part B – MCQ and NCQ – Computer based Adaptive Test – 90 Minutes, 120 marks

B1 – 42 questions – MCQ
B2 – 08 questions – NCQ

Total 50 Questions – 120 Marks

GRAND TOTAL MARKS (PART A + PART B) (80+120) = 200

TOTAL MARKS: PART – A & PART – B = 200

NATA 2025 will be conducted as a comprehensive aptitude test consisting of Part -A (Drawing and Composition) which will be in offline mode and Part B (MCQ – Multiple Choice Questions and NCQ - No Choice Questions) which will be in ONLINE adaptive mode.

The medium of Aptitude test shall be in English and Hindi.

The aptitude of the candidate will be assessed using some or all of the following:

PART-A

The aptitude of the candidate will be assessed using some or all of the following:

PART-A

Drawing and Composition Test

This is one and half hour (90 minutes) – 80 Marks Test where candidate has to attempt three questions. The content of the PART A Test is as follows:

- **A1 - Composition and Color -25 Marks:** Creating suitable compositions for various situations and coloring them appropriately. Re-arranging various shapes in visually appealing manner and coloring it suitably.
- **A2 -Sketching & Composition (Black and White)-25 Marks:** Ability to draw, visualize, depict a situation, involving buildings / its components, people, environment, products with an understanding of scale, proportions, textures, shades and shadow etc.
- **A3 - 3D Composition-30 Marks:** Creating interesting 3D composition for the given situation using the provided kit.

PART-B

This is one and half hour (90 minutes), 120 Marks Test where candidate has to appear for online test. It shall have two types of Questions viz., B1 – 42 MCQs and B2 –08 NCQs from the following topics:

- **Visual Reasoning** Ability to understand and reconstruct 2D and 3D composition, knowledge about its composition and technical concepts.
- **Logical Derivation** Ability to decode a situation, composition, context and generate meaning. Understanding the minute information hidden in a particular situation and drawing conclusions.
- **G.K., Architecture & Design** General awareness of architecture and design, current issues, recent

- **Language Interpretation** Ability to correctly & logically generate meaning of words, sentences, understanding about English grammar.

- **Design Sensitivity and Thinking** Ability to observe record and analyze, people, space, product, environment. Critical thinking, reasoning and ability to identify the subtle communications. Ability to understand semantics, metaphors, problem identification and definition, analysis of a given situation.

- **Numerical Ability** Basic Mathematics and its association with creative thinking. To unfold a space with use of geometry.

Part A

Drawing Based Exam

80 Marks **Duration 90 Minutes**

Question -1 **25 Marks**

Draw a 2D Colored Composition while using 5 Squares, 4 Octagon and 1 Square .

Question -2

Draw a black and white sketch related to Celebration of Idd festival. 25 Marks

Question -3

Create a 3D composition while using 3d objects. 30 Marks

Part B

120 Marks **Computer Based Exam** **Duration 90 Minutes**

PART-B

This is one and half hour (90 minutes), 120 Marks Test where candidate has to appear for online test. It shall have two types of Questions viz., B1 – 42 MCQs and B2 –08 NCQs from the following topics:

- **Visual Reasoning** Ability to understand and reconstruct 2D and 3D composition, knowledge about its composition and technical concepts.
- **Logical Derivation** Ability to decode a situation, composition, context and generate meaning. Understanding the minute information hidden in a particular situation and drawing conclusions.
- **G.K., Architecture & Design** General awareness of architecture and design, current issues, recent
- **Language Interpretation** Ability to correctly & logically generate meaning of words, sentences, understanding about English grammar.
- **Design Sensitivity and Thinking** Ability to observe record and analyze, people, space, product, environment. Critical thinking, reasoning and ability to identify the subtle communications. Ability to understand semantics, metaphors, problem identification and definition, analysis of a given situation.
- **Numerical Ability** Basic Mathematics and its association with creative thinking. To unfold a space with use of geometry.

Find out which of the figures (1), (2), (3) and (4) can be formed from the pieces given in figure (X).

1)

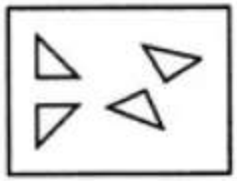
(X)

(1) (2) (3) (4)

Options

A	1
B	2
C	3
D	4

3)



(X)

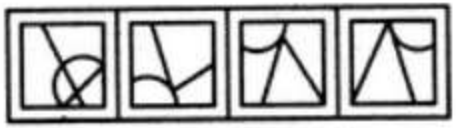
(1) (2) (3) (4)

Options

A	1
B	2
C	3
D	4

2)

(X)

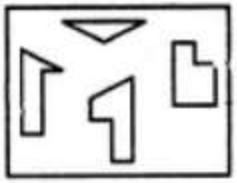


(1) (2) (3) (4)

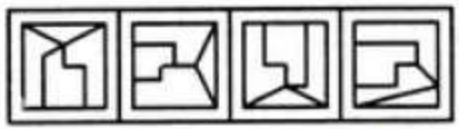
Options

A	1
B	2
C	3
D	4

4)



(X)

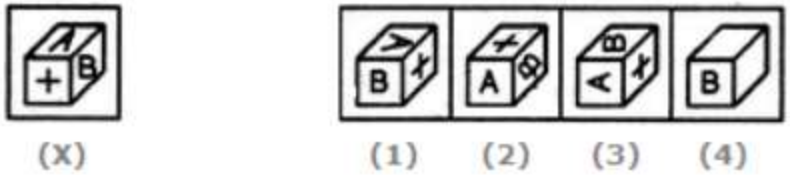


(1) (2) (3) (4)

Options

A	1
B	2
C	3
D	4

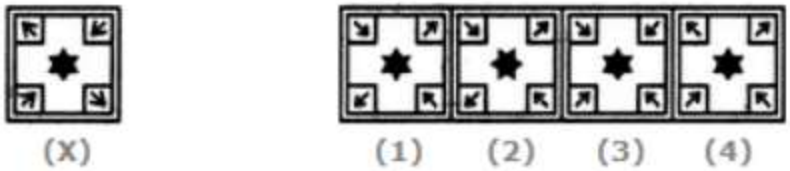
5) Find out how will the key figure (X) look like after rotation 180 degree.



Options

A	1
B	2
C	3
D	4

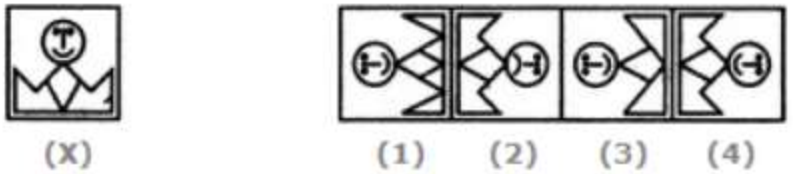
6) Image after Rotation of 180.



Options

A	1
B	2
C	3
D	4

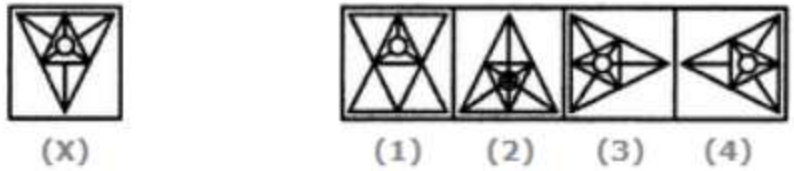
7) Find out how will the key figure (X) look like after rotation 90 degree.



Options

A	1
B	2
C	3
D	4

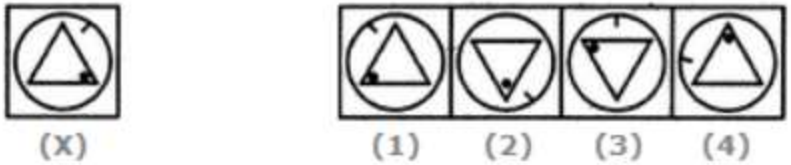
8) Image after Rotation of 90.



Options

A	1
B	2
C	3
D	4

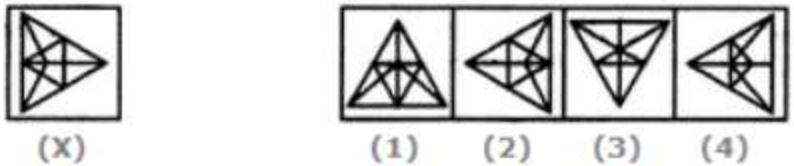
9) Image after Rotation of -90.



Options

A	1
B	2
C	3
D	4

10) Image after Rotation of -180.

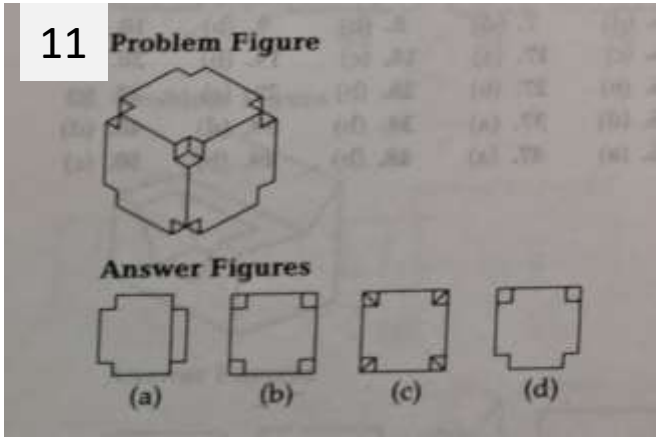


Options

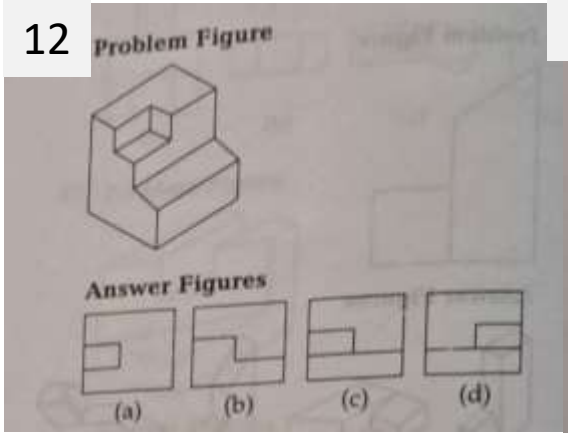
A	1
B	2
C	3
D	4

Identify the correct Top View of the Given Problem:-

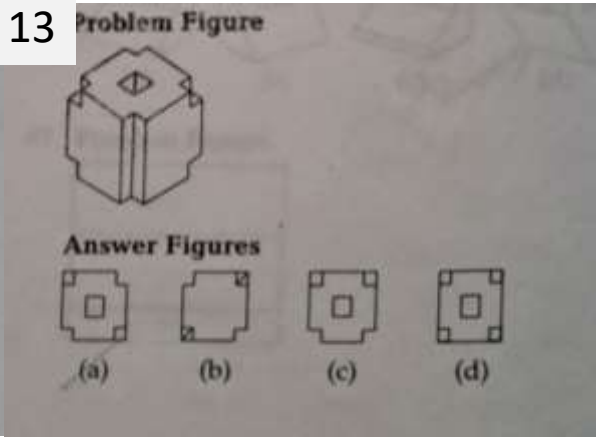
11



12



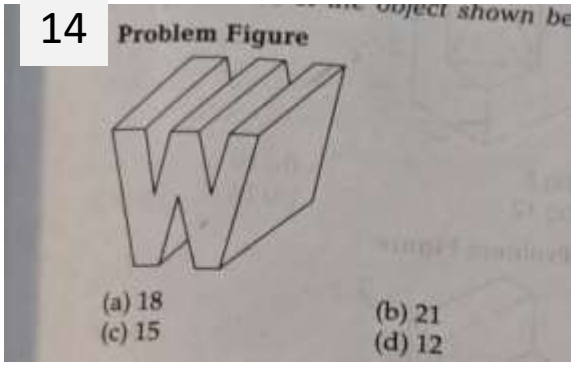
13



Questions based on General Awareness related to Architecture

Calculate total number of surfaces of the Given Problem:-

14



15. Which one of the following is a synthetic fibre?
(a) Acrylic
(c) Cotton
(b) Wool
(d) Silk

16. Which one of the following is used to reduce consumption of electricity to the greatest extent?
(a) Fluorescent tube
(b) CFL lamp
(c) Sodium vapour lamp
(d) Tungsten bulb

17. Which one of the following are used to make an Igloo?
(a) Ice blocks
(c) Concrete blocks
(b) Stone blocks
(d) Mud blocks

18. Which one of the following type of flooring is most suited for a Badminton Hall?
(a) Glazed tile flooring
(b) Brick on edge flooring
(c) Wooden flooring
(d) Granite stone flooring

19. Stonehenge is situated in which one of the following countries?
(a) Great Britain
(c) France
(b) Germany
(d) Australia

Questions based on General Awareness related to Architecture

20. Which one of the following monuments was built by Mughal Emperor Akbar?
(a) Red Fort
(b) Char Minar
(c) Fatehpur Sikri
(d) Qutub Minar

21. The rainbow contains which one of the following sets of colours?
(a) Violet, Indigo, Blue, Green, Yellow, Orange and Red
(b) Violet, Indigo, Black, Grey, Yellow, Orange and Red
(c) Violet, Indian black, Green, Yellow, Orange and Red
(d) Violet, Indian blue, Grey, Yellow, Orange and Red

22. Which one of the following surface qualities is suitable for the internal Surface of a Hand Wash Basin?
(a) Smooth (c) Granulated
(b) Matt (d) Rough

23. The tallest building of the world is located in which one of the following countries?
(a) USA
(c) China
(b) UAE
(d) Malaysia

24. Which one of the following cannot be made by mixing two or more colours?
(a) Secondary colours
(b) Complementary colours
(c) Tertiary colours
(d) Primary colours

Identify Architects

25. Identify **Edwin Lutyen**

a.

b.

c.

d.

26. Identify **Walter Gropius**

a.

b.

c.

d.

Identify Architects

27. Identify **Tadao Ando**

a.

b.

c.

d.

28. Identify **B. V. Doshi**

a.

b.

c.

d.

Identify Architect's Building

29. Identify **India Gate**

a.

b.

c.

d.

30. Identify **Hawa Mahal**

a.

b.

c.

d.

31. Identify **Eiffel Tower**

a.

b.

c.

d.

32. Identify **Sanchi Stupa**

a.

b.

c.

d.

33. Area bounded by the loop of the curve y=x2 (1-x), is
(a) 16/15 Sq. Units
(b) 8/15 Sq. Units
(c) 3/7 Sq. Units
(d) 7/15 Sq. Units

34. What should be the volume (in Cubic cm) of a box that can exactly fit 4 dice, each with a side of 3 cm?
a) 27
b) 12
c) 64
d) 108

35. A hollow iron pipe is 21 cm long and its external diameter is 8 cm. If the thickness of the pipe is 1 cm and iron weighs 8 g/cm^3, then the weight of the pipe is:
a) 3.6 kg
b) 3.696 kg
c) 36 kg
d) 36.9 kg

36. In a shower, 5 cm of rain falls. The volume of water that falls on 1.5 hectares of ground is:
a) 75 cu. m
b) 750 cu. m
c) 7500 cu. m
d) 75000 cu. m

37. 66 cubic centimeters of silver is drawn into a wire 1 mm in diameter. The length of the wire in meters will be:
a) 84
b) 90
c) 168
d) 336

38. A alone can do a piece of work in 6 days and B alone in 8 days. A and B undertook to do it for Rs. 3200. With the help of C, they completed the work in 3 days. How much is to be paid to C?

a) Rs 375
b) Rs 400
c) Rs 450
d) Rs 500

39. A Carpenter a constructed a rectangle sandbox with a capacity of 10 cubic feet, if he had to make a similar box, twice as long, twice as wide and twice as high as the first sand box, what would be the capacity in cubic feet of the second sand box?

a) 20
b) 40
c) 80
d) 1000

40. X and Y can do a piece of work in 20 days and 12 days respectively. X started the work alone and then after 4 days Y joined him till the completion of the work. How long did the work last?

a) 6 Days
b) 10 Days
c) 15 Days
d) 20 Days

41.

If $A = \begin{bmatrix} 1 & \tan x \\ -\tan x & 1 \end{bmatrix}$,

then the value of $|A' A^{-1}|$ is

1. cos 4x
2. $\sec^2 x$
3. $-\cos 4x$
4. 1

42.

The value of the Integral $I = \int_0^{\pi/2} x^2 \sin x \, dx$ is

1. (x + 2)/2
2. 2/(π – 2)
3. π - 2
4. π + 2

43. Bhakra Dam is built on which river?
(a) Sutlej
(b) Ravi
(c) Damodar
(d) Mahanadi

44. Hirakud Dam is built on which river?
(a) Ganga
(b) Cauveri
(c) Sutlej
(d) Mahanadi

45. The Writer's Building is in
(a) Kolkata
(b) Chandigarh
(c) Mumbai
(d) Chennai

46. India House is located in
(a) New York
(b) London
(d) Tokyo
(c) Paris

47. One of the seven wonders of the world, the Great Pyramid is in
(a) Iraq
(b) Egypt
(c) Greece
(d) Rome

48. Lingraj Temple is situated in which city?
(a) Bhubneshwar
(b) Konark
(c) Puri
(d) Chennai

49. Chaitya Cave at Karle is known for one of the finest specimens of
(a) sculpture
(b) painting
(c) quality of Rocks
(d) techniques of construction

50. Where is Hawa Mahal located?
(a) Jaipur
(b) Udaipur
(c) Bijapur
(d) Delhi

Answers Mock Test 3

Question	Answer	Question	Answer	Question	Answer	Question	Answer
1	**B**	16	**B**	31	**B**	46	**B**
2	**B**	17	**A**	32	**D**	47	**B**
3	**C**	18	**C**	33	**B**	48	**A**
4	**C**	19	**A**	34	**D**	49	**A**
5	**C**	20	**C**	35	**B**	50	**A**
6	**B**	21	**A**	36	**A**		
7	**D**	22	**A**	37	**B**		
8	**D**	23	**B**	38	**B**		
9	**D**	24	**D**	39	**C**		
10	**B**	25	**C**	40	**B**		
11	**D**	26	**C**	41	**D**		
12	**C**	27	**A**	42	**C**		
13	**A**	28	**C**	43	**A**		
14	**C**	29	**B**	44	**D**		
15	**D**	30	**C**	45	**A**		

ARCHVENTURE

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